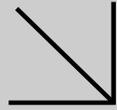




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WORK ORDER NUMBER: 14-11-2199

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Malibu Unites

Client Project Name: JC23

Attention: Jennifer deNicola
22741 Pacific Coast Hwy, Suite 401
Malibu, CA 90265-5876

Approved for release on 12/05/2014 by:
Don Burley
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.



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Work Order Number: 14-11-2199

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Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 11/28/14. They were assigned to Work Order 14-11-2199.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.



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Sample Summary

Client: Malibu Unites	Work Order: 14-11-2199
22741 Pacific Coast Hwy, Suite 401	Project Name: JC23
Malibu, CA 90265-5876	PO Number:
	Date/Time Received: 11/28/14 09:20
	Number of Containers: 1

Attn: Jennifer deNicola

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
JC23	14-11-2199-1	11/20/14 16:00	1	Solid


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Detections Summary

Client: Malibu Unites	Work Order: 14-11-2199
22741 Pacific Coast Hwy, Suite 401	Project Name: JC23
Malibu, CA 90265-5876	Received: 11/28/14

Attn: Jennifer deNicola

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Client SampleID

<u>Analyte</u>	<u>Result</u>	<u>Qualifiers</u>	<u>RL</u>	<u>Units</u>	<u>Method</u>	<u>Extraction</u>
JC23 (14-11-2199-1) Aroclor-1254	85000		17000	mg/kg	EPA 8082	EPA 3550B

Subcontracted analyses, if any, are not included in this summary.



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Analytical Report

Malibu Unites
22741 Pacific Coast Hwy, Suite 401
Malibu, CA 90265-5876

Date Received: 11/28/14
Work Order: 14-11-2199
Preparation: EPA 3550B
Method: EPA 8082
Units: mg/kg

Project: JC23

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
JC23	14-11-2199-1-A	11/20/14 16:00	Solid	GC 31	12/02/14	12/05/14 16:51	141202L06

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	17000	50000	
Aroclor-1221	ND	17000	50000	
Aroclor-1232	ND	17000	50000	
Aroclor-1242	ND	17000	50000	
Aroclor-1248	ND	17000	50000	
Aroclor-1254	85000	17000	50000	
Aroclor-1260	ND	17000	50000	
Aroclor-1262	ND	17000	50000	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	0	24-168	1,2,6
2,4,5,6-Tetrachloro-m-Xylene	0	25-145	1,2,6

Method Blank	099-12-535-2968	N/A	Solid	GC 58	12/02/14	12/05/14 10:53	141202L06
--------------	-----------------	-----	-------	-------	----------	-------------------	-----------

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	0.050	1.00	
Aroclor-1221	ND	0.050	1.00	
Aroclor-1232	ND	0.050	1.00	
Aroclor-1242	ND	0.050	1.00	
Aroclor-1248	ND	0.050	1.00	
Aroclor-1254	ND	0.050	1.00	
Aroclor-1260	ND	0.050	1.00	
Aroclor-1262	ND	0.050	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	87	24-168	
2,4,5,6-Tetrachloro-m-Xylene	84	25-145	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



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Quality Control - LCS/LCSD

Malibu Unites
22741 Pacific Coast Hwy, Suite 401
Malibu, CA 90265-5876

Date Received: 11/28/14
Work Order: 14-11-2199
Preparation: EPA 3550B
Method: EPA 8082

Project: JC23

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number			
099-12-535-2968	LCS	Solid	GC 58	12/02/14	12/05/14 10:17	141202L06			
099-12-535-2968	LCSD	Solid	GC 58	12/02/14	12/05/14 10:35	141202L06			
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	0.1000	0.09831	98	0.09121	91	50-135	7	0-20	
Aroclor-1260	0.1000	0.1011	101	0.09159	92	50-135	10	0-25	

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RPD: Relative Percent Difference. CL: Control Limits



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Sample Analysis Summary Report

Work Order: 14-11-2199

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<u>Method</u>	<u>Extraction</u>	<u>Chemist ID</u>	<u>Instrument</u>	<u>Analytical Location</u>
EPA 8082	EPA 3550B	669	GC 31	1


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Location 1: 7440 Lincoln Way, Garden Grove, CA 92841

Glossary of Terms and Qualifiers

Work Order: 14-11-2199

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<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

From: (310) 848-5400
Jennifer deNicola

Origin ID: CIBA



Ship Date: 25NOV14
ActWgt: 1.0 LB
CAD: 107061989/INET3550

2199

22741 Pacific Coast Hwy, Suite
Malibu, CA 90265



J142214092303uv

Delivery Address Bar Code



SHIP TO: (714) 895-5494

BILL SENDER

Don Burley
Eurofins
7440 Lincoln Way

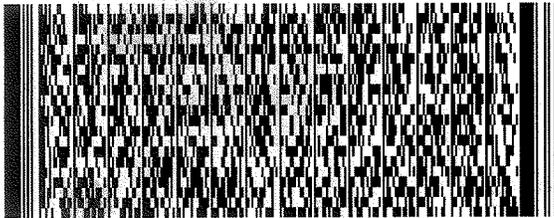
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Invoice #
PO #
Dept #

GARDEN GROVE, CA 92841

RELEASE#: 3785346

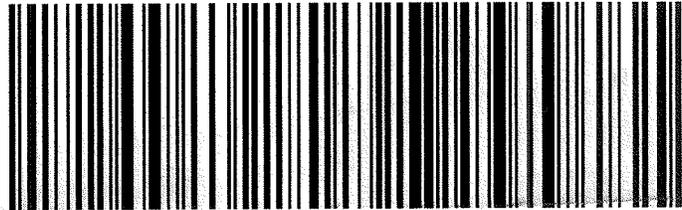
FRI - 28 NOV 10:30A
MORNING 2DAY

TRK# 7719 9433 8664
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522G1616C/8AC9

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WORK ORDER #: 14-11-2199

SAMPLE RECEIPT FORM

Envelope Cooler 1 of 1
836 #13814

CLIENT: Malibu Unites

DATE: 11/28/14

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 21.9 °C - 0.2 °C (CF) = 21.7 °C Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____)

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: Air Filter Checked by: 836

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A Checked by: 836

Sample _____ No (Not Intact) Not Present Checked by: _____

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input checked="" type="checkbox"/> Not relinquished. <input checked="" type="checkbox"/> No <u>date/time</u> relinquished.			
Sampler's name indicated on COC.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aqueous samples received within 15-minute holding time			
<input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfides <input type="checkbox"/> Dissolved Oxygen.....			
Proper preservation noted on COC or sample container.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CONTAINER TYPE:

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (____) EnCores® TerraCores® Z

Aqueous: VOA VOAh VOAna₂ 125AGB 125AGBh 125AGBp 1AGB 1AGBna₂ 1AGBs

500AGB 500AGJ 500AGJs 250AGB 250CGB 250CGBs 1PB 1PBna 500PB

250PB 250PBn 125PB 125PBz_{na} 100PJ 100PJna₂ _____ _____ _____

Air: Tedlar® Canister **Other:** _____ **Trip Blank Lot#:** _____ **Labeled/Checked by:** _____

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** _____

Preservative: h: HCL n: HNO₃ na₂: Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ u: Ultra-pure z_{na}: ZnAc₂+NaOH f: Filtered **Scanned by:** _____

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